Ecosystem-Based Management:

a Ridge to Reef approach – an update

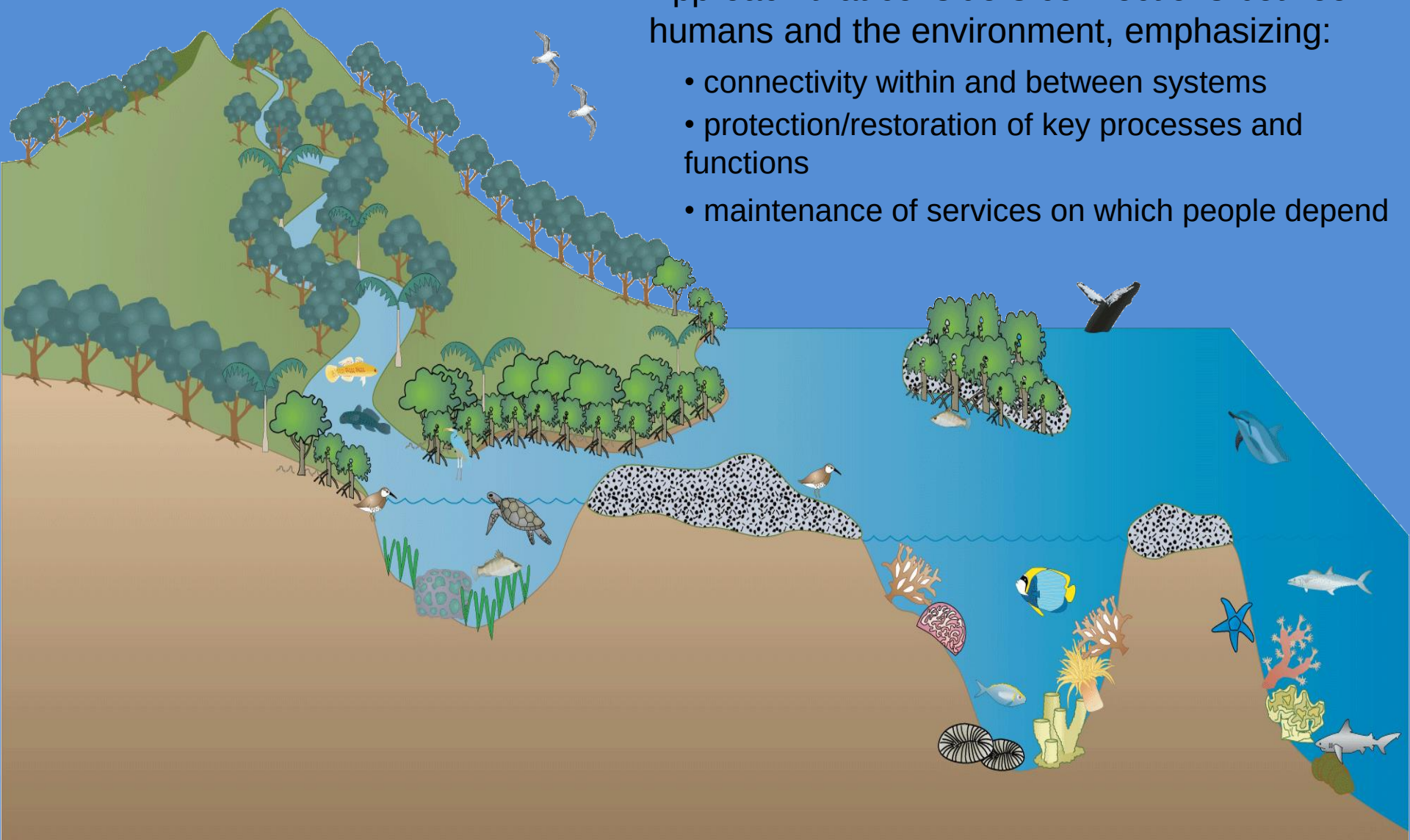
National Integrated Coastal Management Meeting, Holiday Inn, Suva
29th September,2015

Presentation by: Ruci D. Lumelume

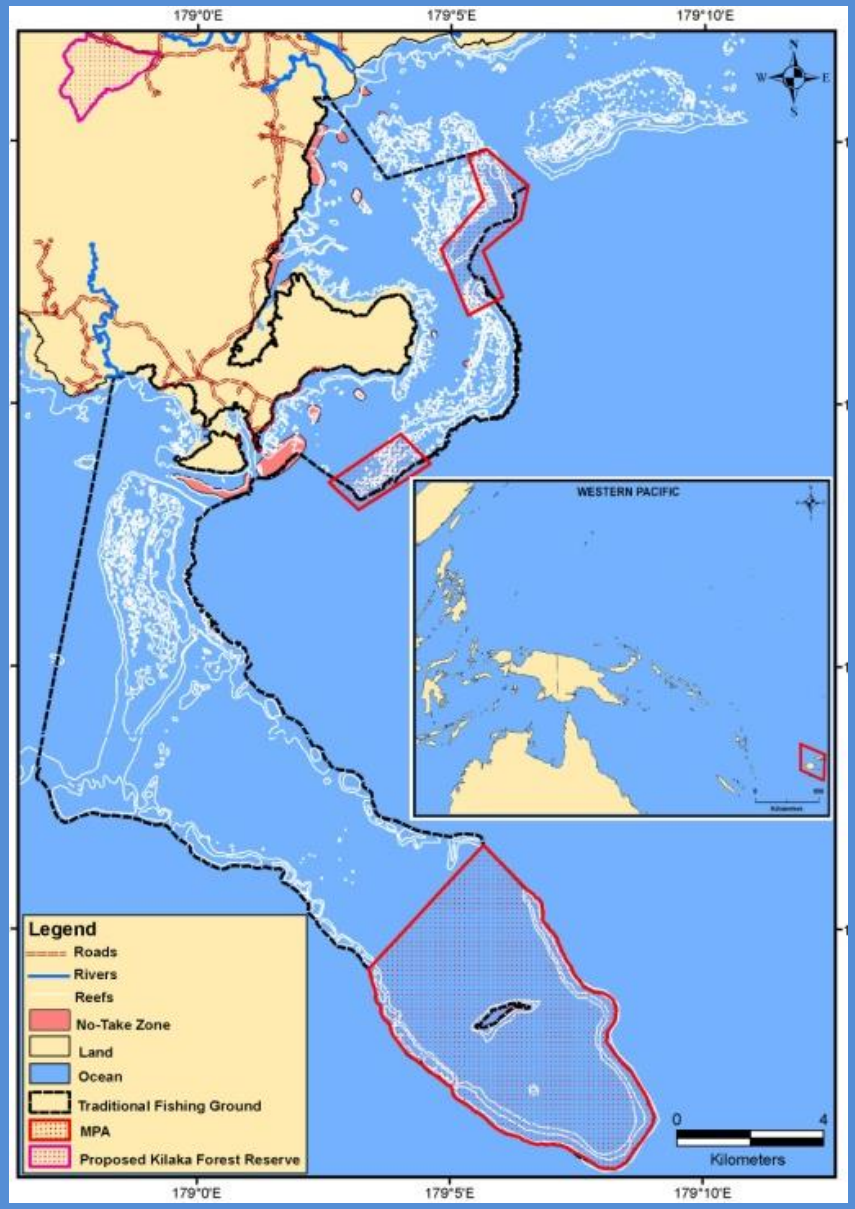
What is Ecosystem-Based Management?

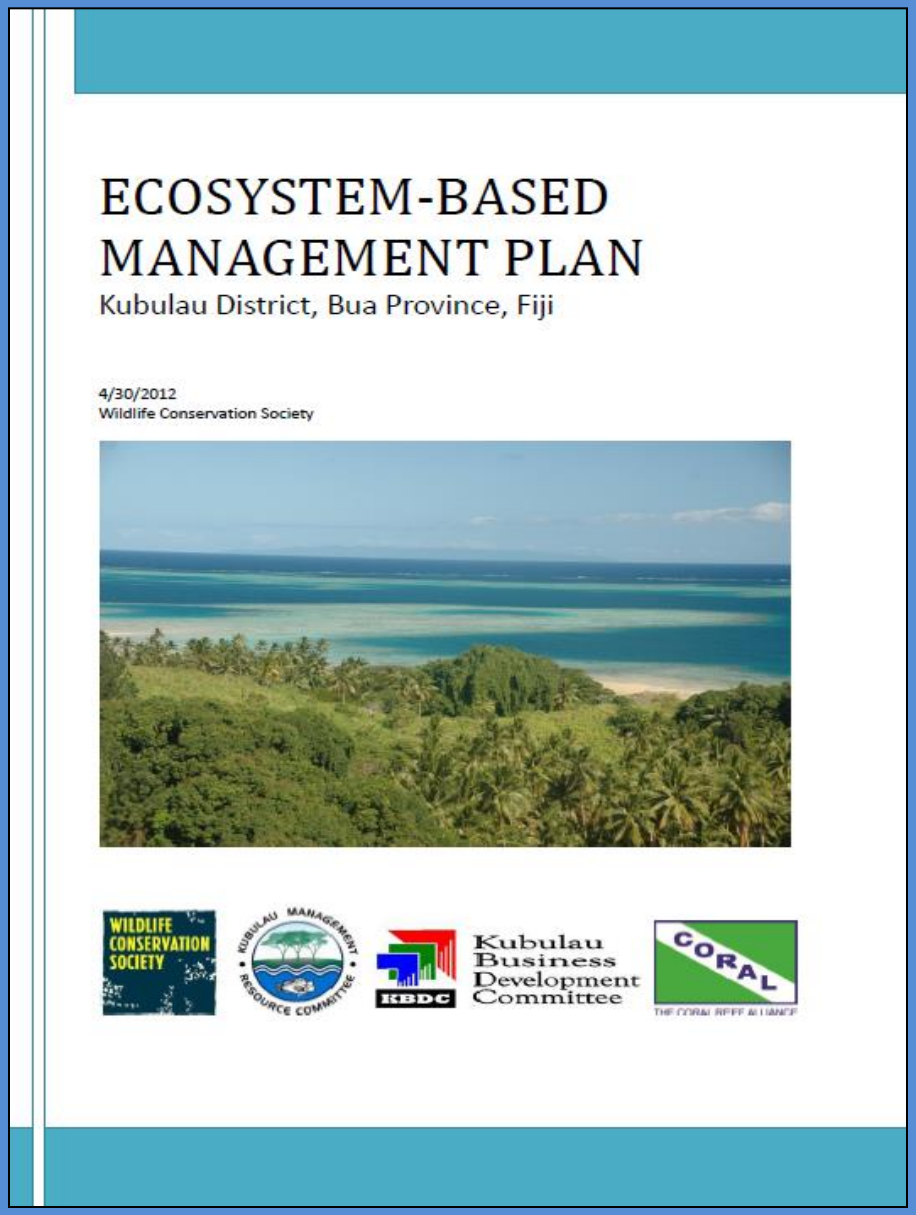
Approach that considers connections between humans and the environment, emphasizing:

- connectivity within and between systems
- protection/restoration of key processes and functions
- maintenance of services on which people depend



Ecosystem-Based Management(EBM) in Fiji





Management Planning Workshops

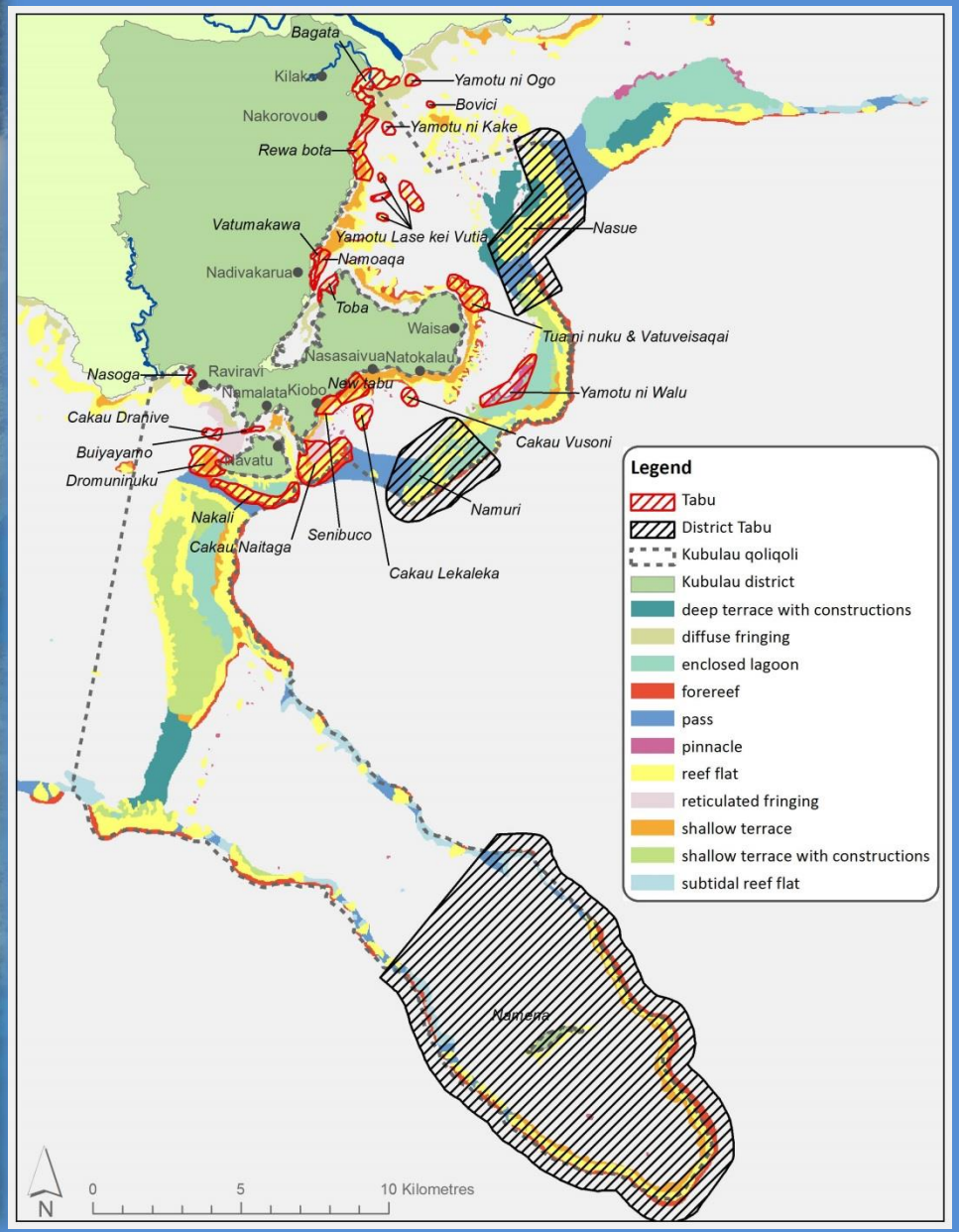
-Community: *Bose Vanua*, Fishers, Farmers, Women, Youth

-Different communities working together!

-Government: DoEnv, DoF, Health, Agriculture, TLFC, TLTB….

-NGOs: WCS, WWF, Live & Learn, CORAL, ELA, ECREA, Seaweb...

Network of Protected Areas



Kubulau has a network of 24 MPAs

= 3 district-wide

= 21 community tabu

+ Protected rivers & forest areas

Partnership between NGOs, government & communities

Translation into Management: Best Practice

Recommendation	Rationale
Do not clear, burn or farm within 100 metres of the bank of a river or stream.	Riparian buffers reduce soil erosion and improve downstream water quality.
Restore degraded river banks and riparian zones by planting native trees and shrubs.	Riparian vegetation reduces erosion and provides food and shade for freshwater fauna.
Use fertilisers and pesticides only as necessary, and always follow manufacturer's instructions.	Fertilisers cause algal growth and eutrophication. Many pesticides are toxic to people and animals.
Do not build crossings, weirs or other structures in a manner that prevents fish migration.	Migration up and down rivers is a vital part of the life cycle of many fishes, including food fish.
Do not allow logging within 100 metres of the bank of a river or stream.	Riparian buffers reduce soil erosion and improve downstream water quality.

Developing Management Rules

The options available for enforcement of rules will depend on whether the rule is a community rule and/or a national law. Tables of management rules indicate whether each rule is a '**national**' law or a '**district**' community rule.

Rule	Exceptions	National	District
Clearing, burning and farming			
Agricultural leaseholders must not clear, burn or cultivate any land within 24 ft (7.2 m) of a river or stream		X [1]	
Livestock			
Construction of pigsties within 30 m of the bank of a river or stream is prohibited throughout Kubulau District			X [2]

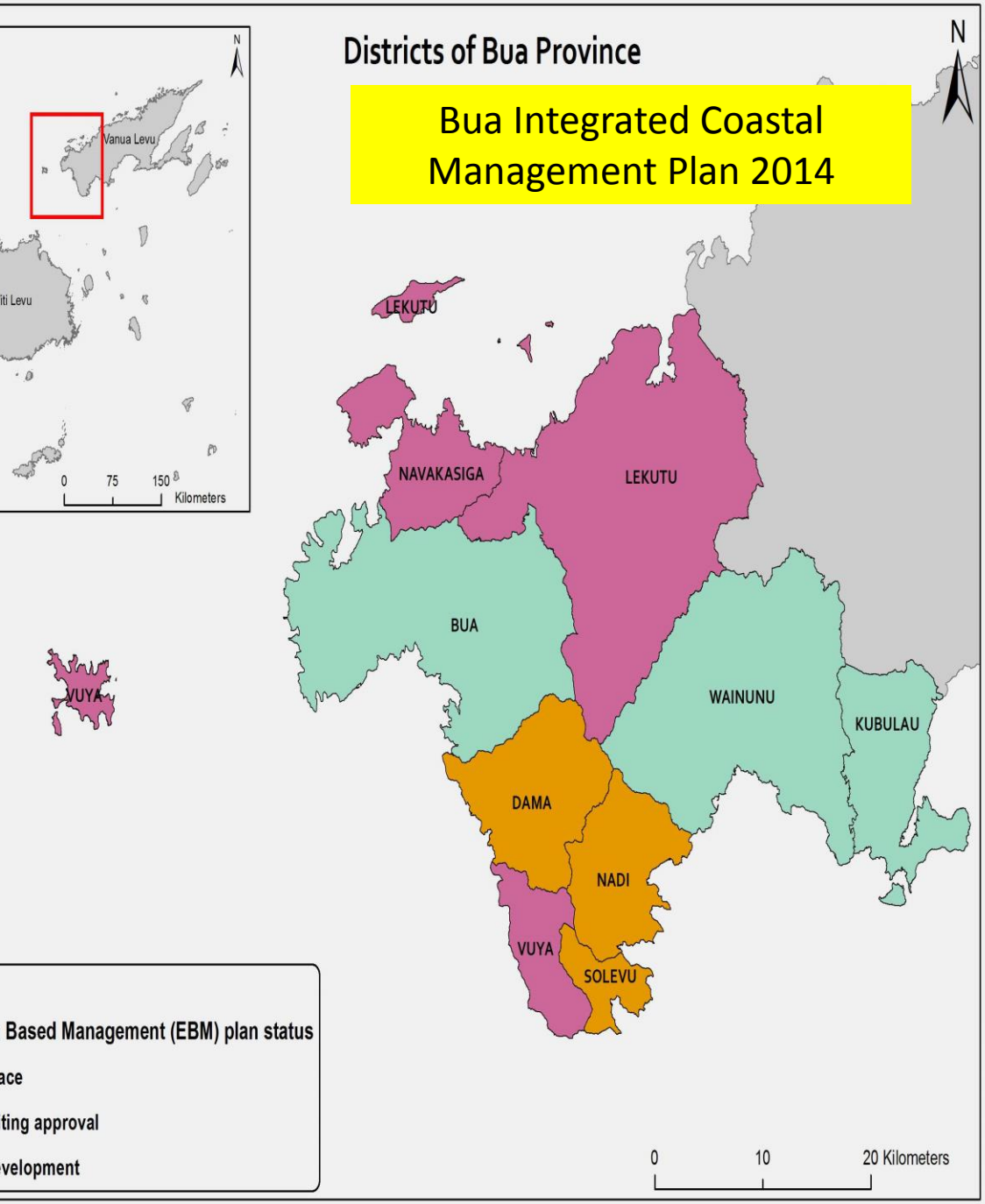
(1) *Native Land Trust (Leases and Licences) Regulations 1984, r.23, Fourth Schedule, cl.25. Conditions of lease for agricultural purposes*
(2) KRMC Consultation Meeting, Raviravi, May 2009

Collect data –communi

data and information

Present results

Socialize information


Districts of Bua Province
Bua Integrated Coastal Management Plan 2014
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0 75 150 Kilometers
LEKUTU
NAVAKASIGA
LEKUTU
BUA
VUYA
WAINUNU
KUBULAU
DAMA
NADI
VUYA
SOLEVU
0 10 20 Kilometers
Based Management (EBM) plan status
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INTEGRATED COASTAL MANAGEMENT FRAMEWORK
OF THE RUPUBLIC OF FIJI
2011
Opportunities and issues for managing our coastal resources sustainably
Department of Environment
Ministry of Local Government, Urban Development, Housing and Environment
DEPARTMENT OF ENVIRONMENT FIJI

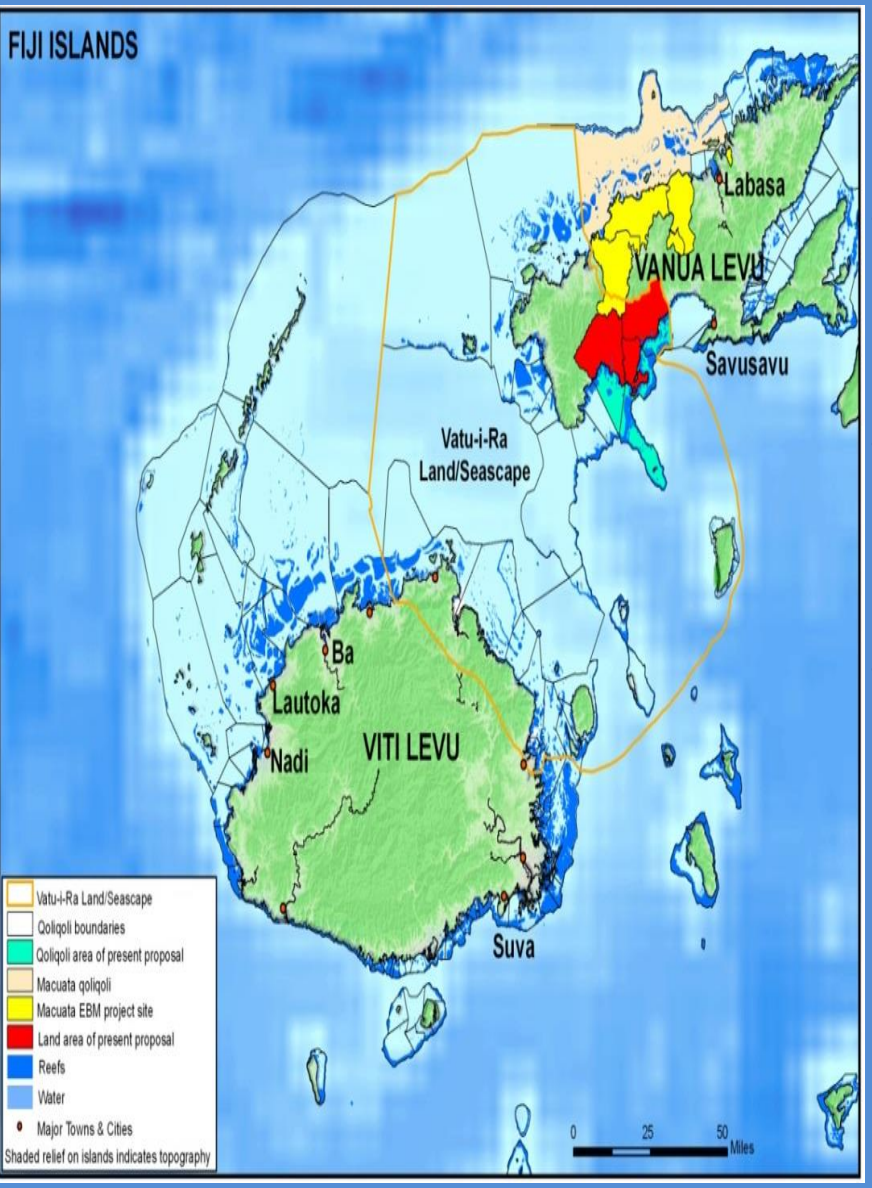
Provincial ICM Plan: Process

- Initial planning
- Scoping
- Developing ICM plan
- Implement ICM Plan
- Monitoring and evaluation
- Review and update the ICM plan

Provincial ICM Plan: Content

- Introduction
- Profile of Area
- Vision, Goals and Objectives
- ICM Issues
- Strategies and Actions
- ICM Institutions and governance
- Enforcement of actions and regulations
- Communication Strategy + Socialisation
- Monitoring & evaluation of management
- Financing of the provincial ICM Plan
- Annexes

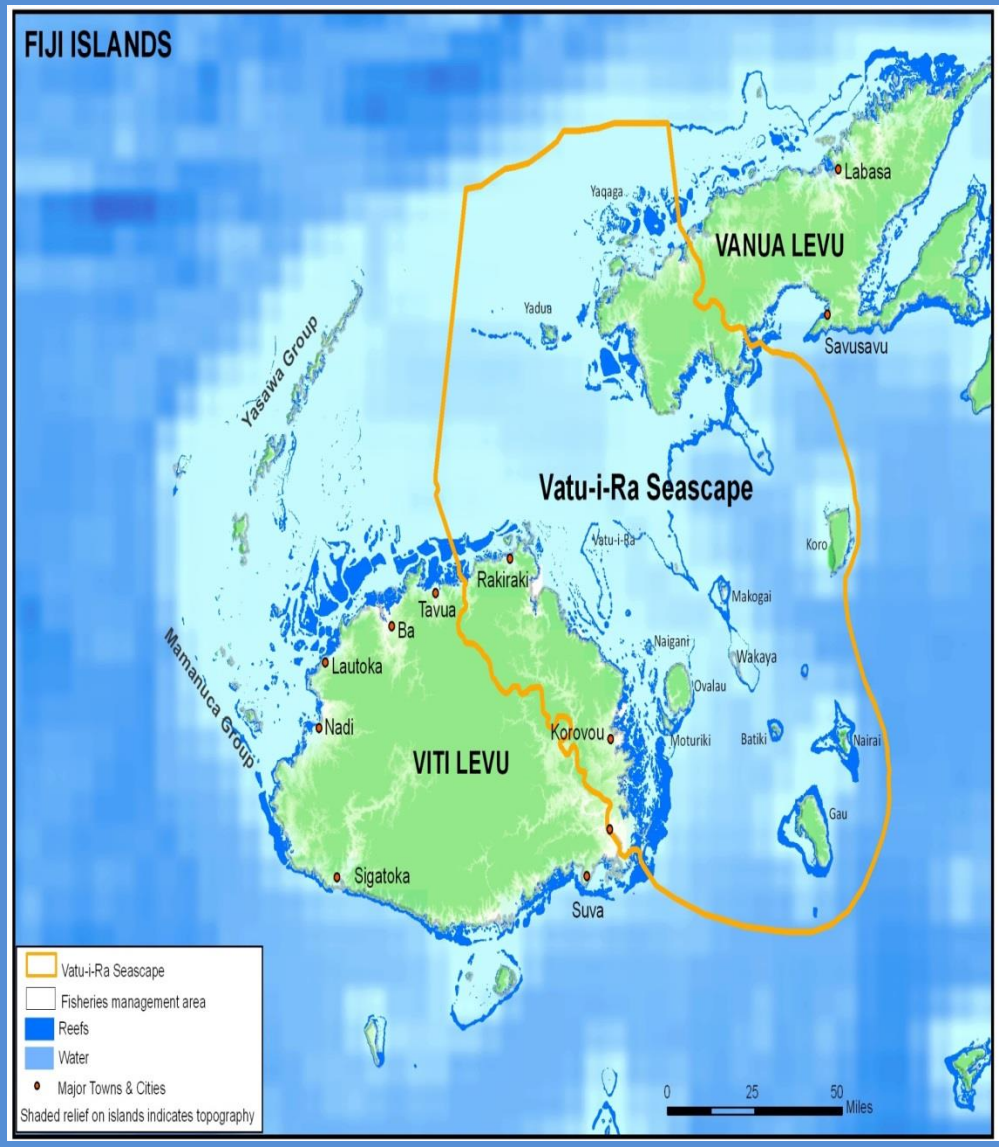
ICM FOR BUA



- Pre-planning workshop- 4th June,2015
- ICM Planning 1– 29-30July,2015
- ICM Planning 2 – October/November 2015

OTHER WCS PROGRAMS

- Vatu-i-Ra Seascape –in progress
- Ra Dive Tag(Nakorotubu)- in progress



WILDLIFE
CONSERVATION
SOCIETY
Vinaka Vakalevu